

#7

P21834.A02

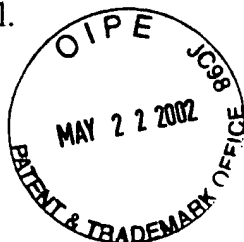
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ah Hwee TAN et al.

Appln. No : 10/049,627

Filed : February 22, 2002

For : DOCUMENT CLASSIFICATION APPARATUS



INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

RECEIVED

JUN 06 2002

Technology Center 2100

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, and 1.97-1.98,
Applicants hereby call the following documents to the Examiner's attention:

U.S. Patent No. 5,115,326 to BURGESS et al., issued May 19, 1992;

U.S. Patent No. 5,206,743 to HOCHMAN et al., issued April 27, 1993;

U.S. Patent No. 5,287,199 to ZOCCOLILLO, issued February 15, 1994;

U.S. Patent No. 5,461,488 to WITEK, issued October 24, 1995, cited on page 1 of the
present specification;

U.S. Patent No. 5,893,091 to HUNT et al., issued April 6, 1999;

U.S. Patent No. 5,371,807 to REGISTER et al., issued December 6, 1994, cited on
page 1 of the patent specification;

P21834.A02

U.S. Patent No. 5,675,710 to LEWIS, issued October 7, 1997, cited on page of the present specification;

U.S. Patent No. 5,214,715 to CARPENTER et al., issued May 25, 1993, cited on page 3 of the present specification;

A screenshot of Fax it to my PC, by Tom KARLO for CNET News.com, downloaded February 7, 2002;

A screenshot of NiF (Network Intelligent Fax) FaxShare, by MITEK SYSTEMS, downloaded February 7, 2002;

Adaptive Resonance Associative Map, by A.H. TAN, in Neural Networks, Volume 8, No. 3 (1995), pp's. 437-446 and cited on page 3 of the specification;

Cascade ARTMAP: Integrating Neural Computation and Symbolic Knowledge Processing, by A.H. Tan, in IEEE Transactions on Neural Networks, Volume 8, No. 2 (1997), pp's. 237-252;

A Massively Parallel Architecture for a Self-Organizing Neural Pattern Recognition Machine, by G.A. Carpenter and S. Grossberg, in Computer Vision, Graphics, and Image Processing (1987), 37 pp's. 54-115;

ART 2-A: An Adaptive Resonance Algorithm for Rapid Category Learning and Recognition, by G.A. Carpenter, S. Grossberg and D.B. Rosen, in Neural Networks (1991a), Vol. 4, pp's. 493-504;

Fuzzy ART: Fast Stable Learning and Categorization of Analog Patterns by an Adaptive Resonance System, by G.S. Carpenter, S. Grossberg & D.B. Rosen, in Neural Networks (1991b), Vol. 4, pp's. 759-771;

Rule Extraction: From Neural Architecture to Symbolic Representation, by G.A. Carpenter and A.H. Tan, in Connection Science (1995), Volume 7, No. 11, pp's 3-27;

The preceding six publications are listed at page 34 of the specification.

An International Search Report issued in PCT Application No. PCT/SG 99/00089, which is a counterpart to the instant application, dated August 2, 2000, in which the following documents were cited:

WO 97/04400 to THE COMMONWEALTH OF AUSTRALIA, published February 6, 1997, was cited as an "A" category document (i.e., document relevant to the technological background) with respect to claims 1 and 2; the Examiner indicated claims 1 and 6 and figures 1-3 as being relevant.

U.S. Patent 5,566,273 to HUANG et al., issued October 15, 1996, was cited as an "A" category document with respect to claims 1-3; the Examiner indicated claims 1 and 2 and figures 1-3 as being relevant.

U.S. Patent 5,794,236 to MEHRLE, issued August 11, 1998, was cited as an "A" category document with respect to claims 1 and 17; the Examiner indicated the abstract and figures 1-6 as being relevant.

P21834.A02

GB 2278705 to SPENCER, published December 7, 1994, was cited as an "A" category document with respect to claims 1 and 17; the Examiner indicated the abstract and figure 1 as being relevant.

U.S. Patent 5,091,964 to SHIMOMURA, issued February 25, 1992, was cited as an "A" category document with respect to claims 1 and 17; the Examiner indicated claims 1 and 6 and figures 1-3 as being relevant.

JP 11085796 to CANON, published March 30, 1999, was cited as an "A" category document with respect to claims 1, 10 and 17; the Examiner indicated the abstract as being relevant.

JP 11039313 to NIPPON, published February 12, 1999, was cited as an "A" category document with respect to claims 1 and 17; the Examiner indicated the abstract as being relevant.

JP 11085797 to CANON, published March 30, 1999, was cited as an "A" category document with respect to claims 1, 10 and 17; the Examiner indicated the abstract as being relevant.

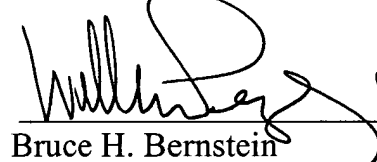
Applicants respectfully request that the Examiner consider the above materials and cite the patent documents, abstracts and publications. Copies of the above-noted documents are attached and have been listed on a PTO-1449 Form which is also attached hereto. A copy of the International Search Report (cited above) is also attached. Accordingly, the

P21834.A02

Examiner is requested to initial the appropriate spaces on the attached PTO-1440 Form and to return a copy of the form to the Applicants with the next official communication in the present application to confirm consideration of these documents.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

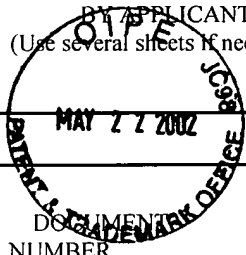
Respectfully submitted,
Ah Hwee TAN et al.


Bruce H. Bernstein
Reg. No. 29,027

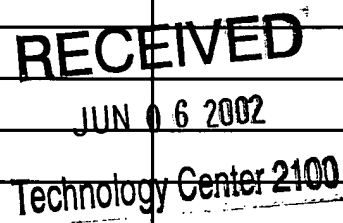
Handwritten text: RN 933630

May 22, 2002
GREENBLUM & BERNSTEIN, P.L.C.
1941 Roland Clarke Place
Reston, VA 20191
(703) 716-1191

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P21834		Serial No. 10/049,627	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Ah Hwee TAN et al.			
				Filing Date February 22, 2002		Group	



U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
	5 1 1 5 3 2 6	05/19/92	BURGESS et al.						
	5 2 0 6 7 4 3	04/27/93	HOCHMAN et al.						
	5 2 8 7 1 9 9	02/15/94	ZOCCOLILLO						
	5 4 6 1 4 8 8	10/24/95	WITEK						
	5 8 9 3 0 9 1	04/06/99	HUNT et al.						
	5 3 7 1 8 0 7	12/06/94	REGISTER et al.						
	5 6 7 5 7 1 0	10/07/97	LEWIS						
	5 2 1 4 7 1 5	05/25/93	CARPENTER et al.						
	5 5 6 6 2 7 3	10/15/96	HUANG et al.						
	5 7 9 4 2 3 6	08/11/98	MEHRLE						
	5 0 9 1 9 6 4	02/25/92	SHIMOMURA						



FOREIGN PATENT DOCUMENTS									
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO				
9 7 / 0 4 4 0 0	02/06/97	W.I.P.O.							
2 2 7 8 7 0 5	12/07/94	UNITED KINGDOM							
1 1 0 8 5 7 9 6	03/30/99	JAPAN							
1 1 0 3 9 3 1 3	02/12/99	JAPAN							
1 1 0 8 5 7 9 7	03/30/99	JAPAN							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
1	A screenshot of Fax it to my PC, by Tom KARLO for CNET News.com, downloaded February 7, 2002.
2	A screenshot of NiF (Network Intelligent Fax) FaxShare, by MITEK SYSTEMS, downloaded February 7, 2002.
3	Adaptive Resonance Associative Map, by A.H. TAN, in Neural Networks, Volume 8, No.3 (1995), pp's. 437-446.
4	Cascade ARTMAP: Integrating Neural Computation and Symbolic Knowledge Processing, by A.H. Tan, in IEEE Transactions on Neural Networks, Volume 8, No. 2 (1997), pp's. 237-252.

EXAMINER	DATE CONSIDERED
----------	-----------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Serial No.
10/049,627

(Use several sheets if necessary)

Group

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		5	A Massively Parallel Architecture for a Self-Organizing Neural Pattern Recognition Machine, by G.A. Carpenter and S. Grossberg, in Computer Vision, Graphics, and Image Processing (1987), 37 pp's. 54-115.
		6	ART 2-A: An Adaptive Resonance Algorithm for Rapid Category Learning and Recognition, by G.A. Carpenter, S. Grossberg and D.B. Rosen, in Neural Networks (1991a), Vol. 4, pp's. 493-504.
		7	Fuzzy ART: Fast Stable Learning and Categorization of Analog Patterns by an Adaptive Resonance System, by G.S. Carpenter, S. Grossberg & D.B. Rosen, in Neural Networks (1991b), Vol. 4, pp's. 759-771.
		8	Rule Extraction: From Neural Architecture to Symbolic Representation, by G.A. Carpenter and A.H. Tan, In Connection Science (1995), Volume 7, No. 11, pp's 3-27.

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.